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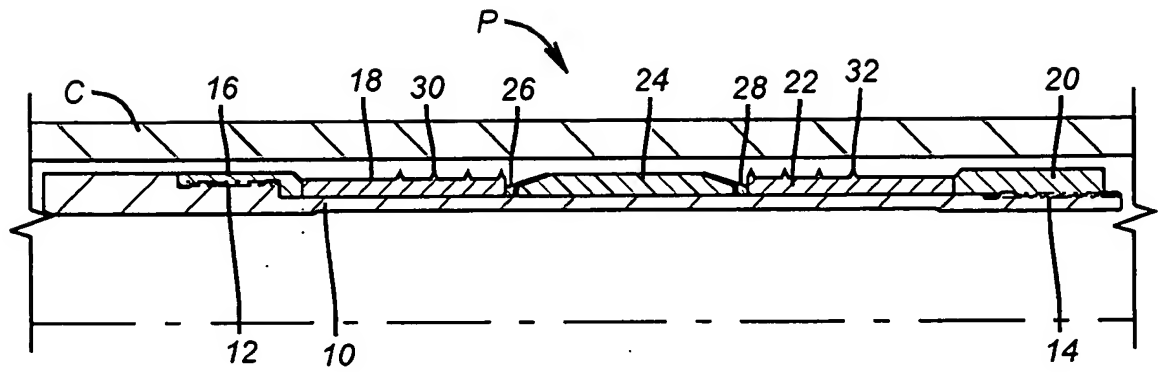


FIG. 1

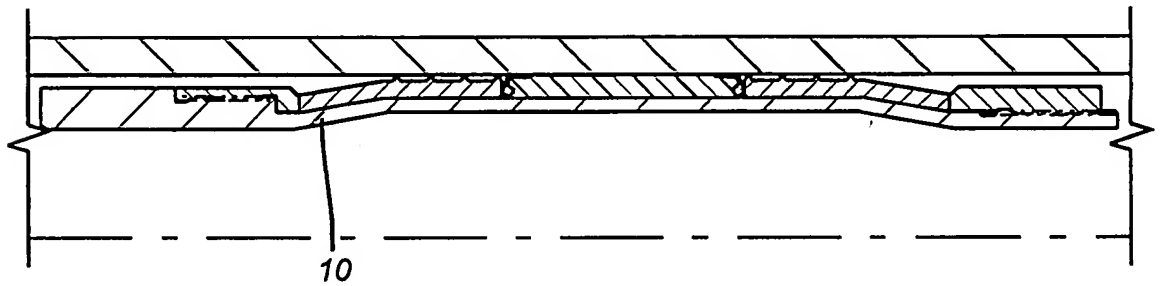


FIG. 2

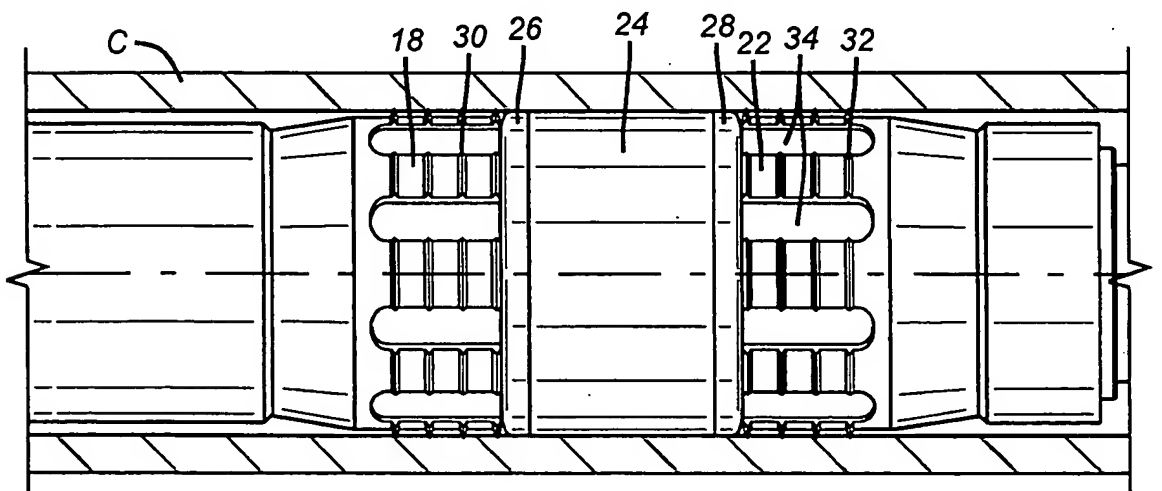


FIG. 3

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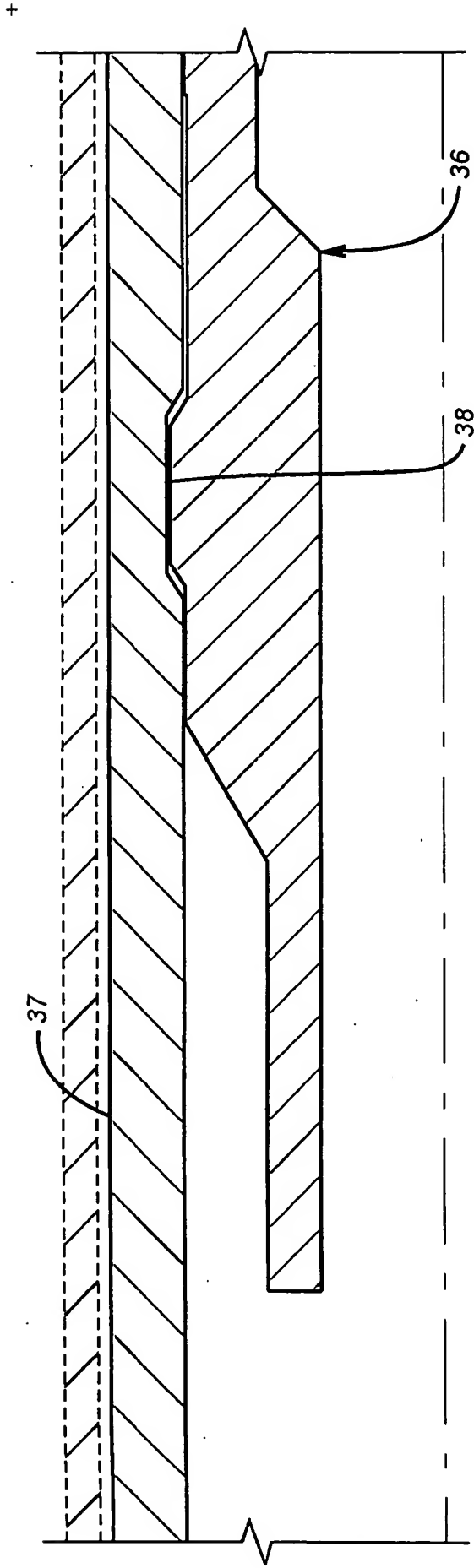


FIG. 4a

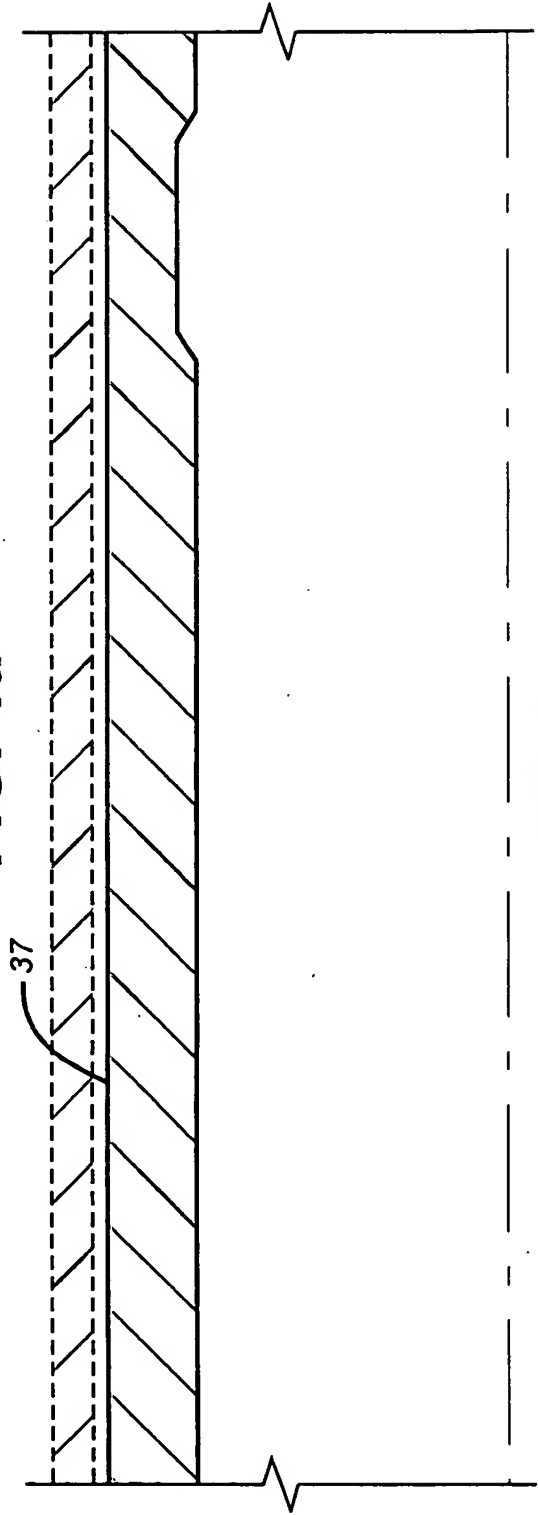


FIG. 5a

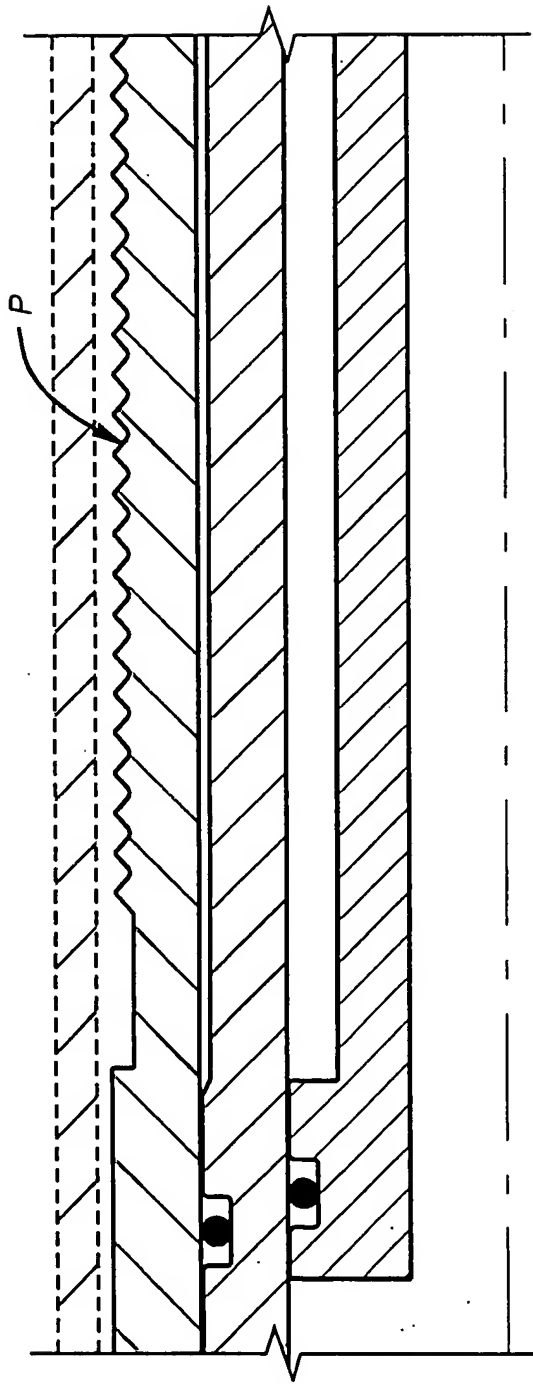


FIG. 4b

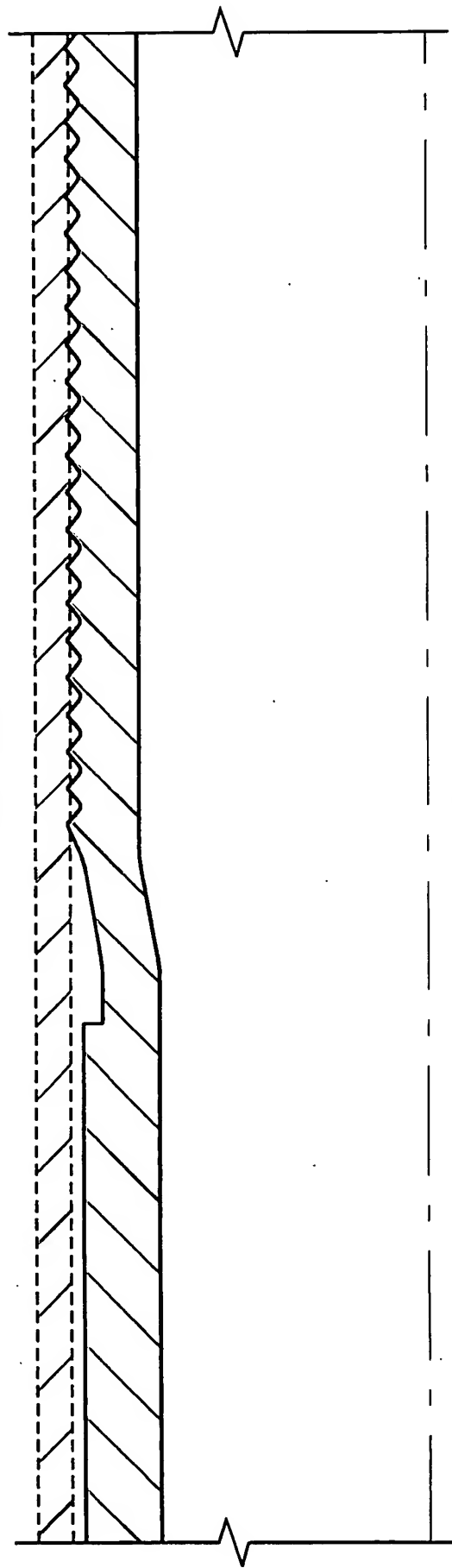


FIG. 5b

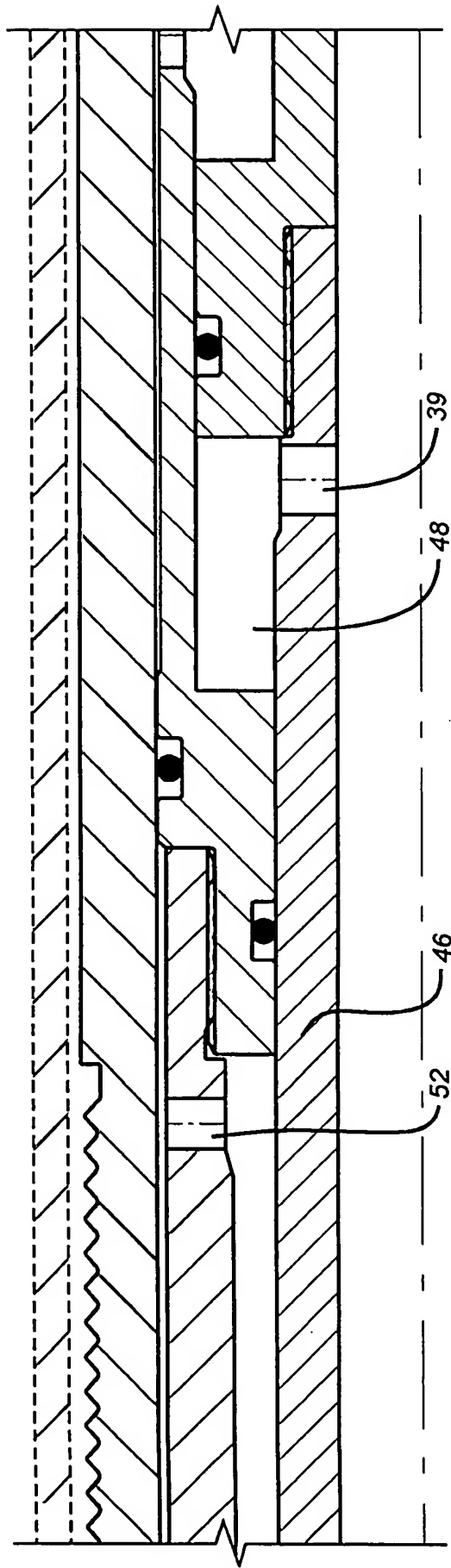


FIG. 4c

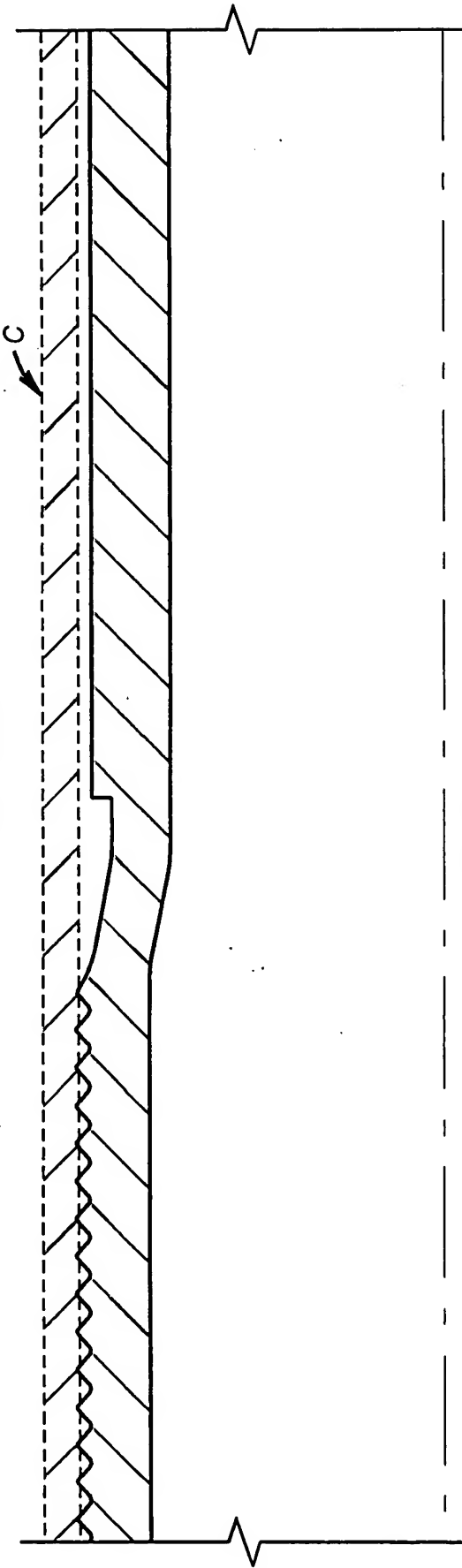


FIG. 5c

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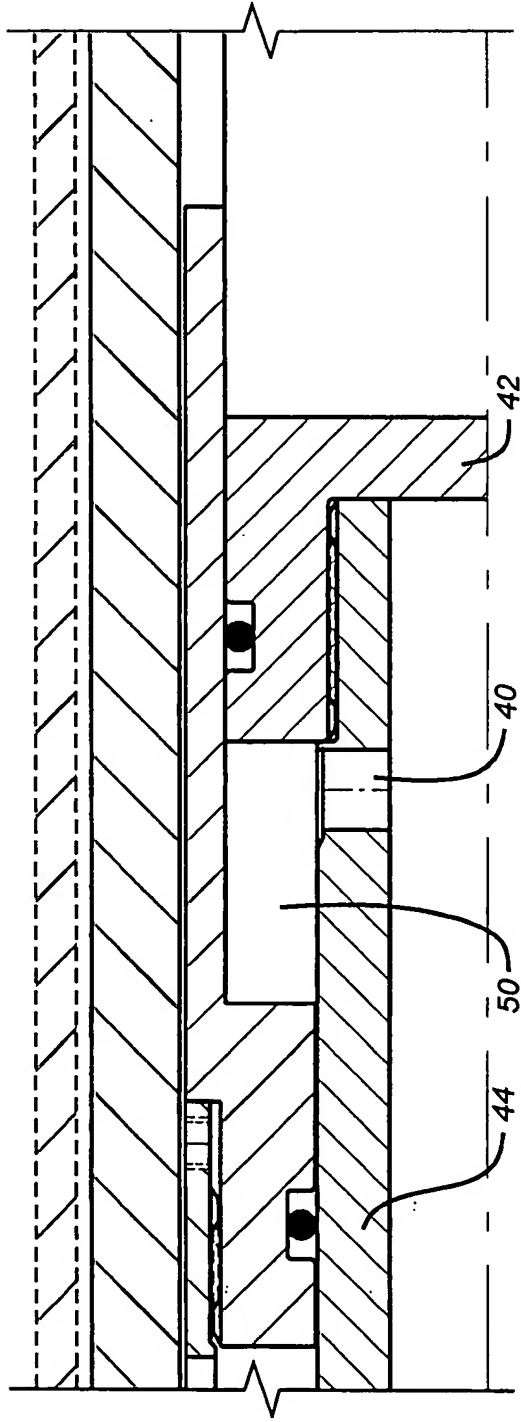


FIG. 4d

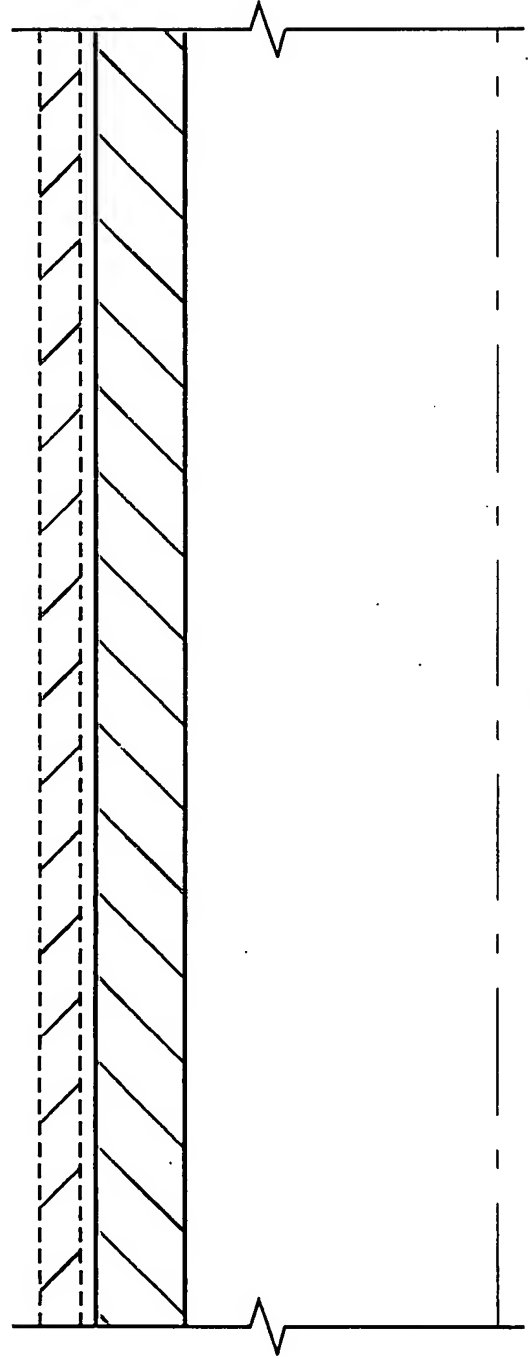


FIG. 5d

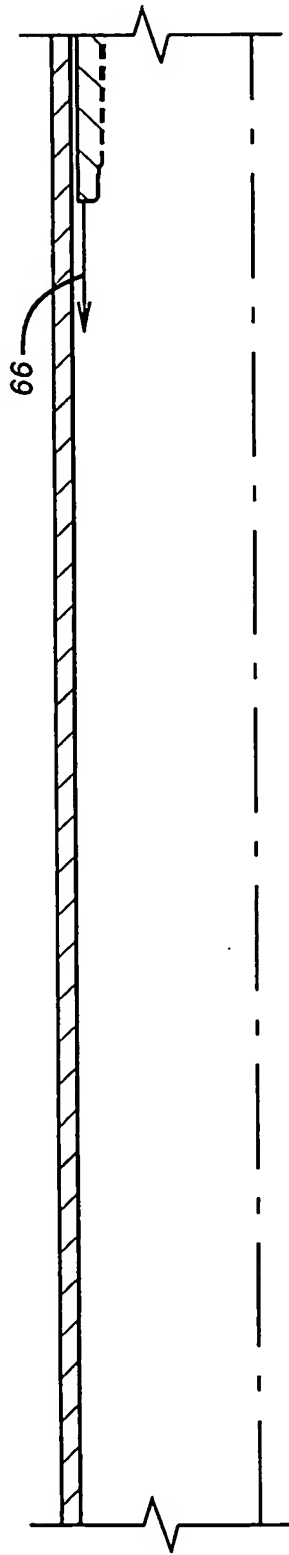


FIG. 6a

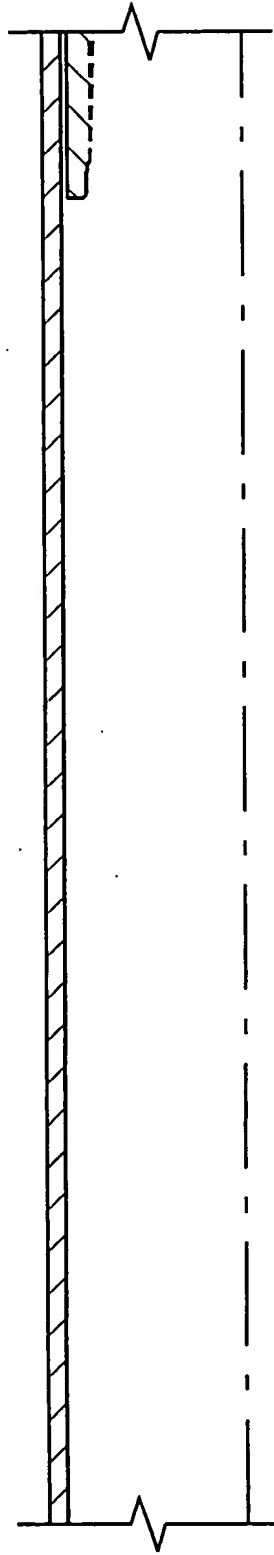


FIG. 7a

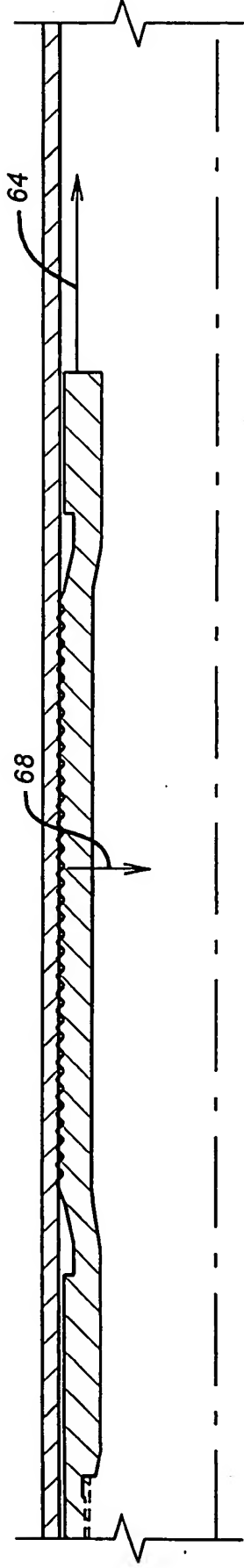


FIG. 6b

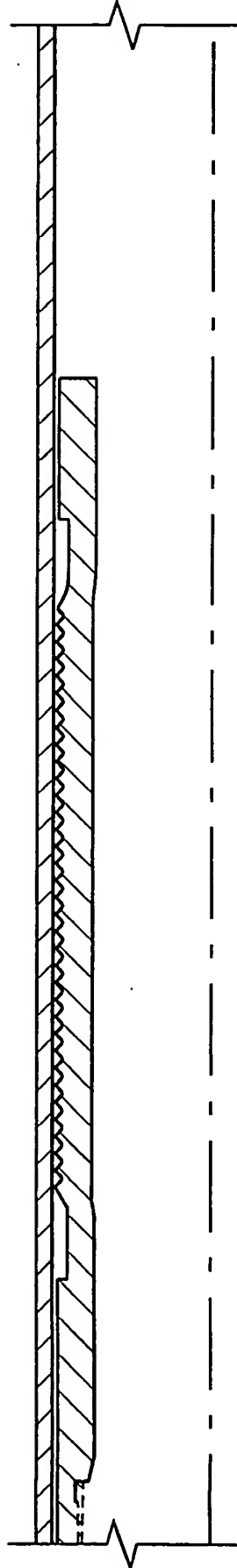


FIG. 7b

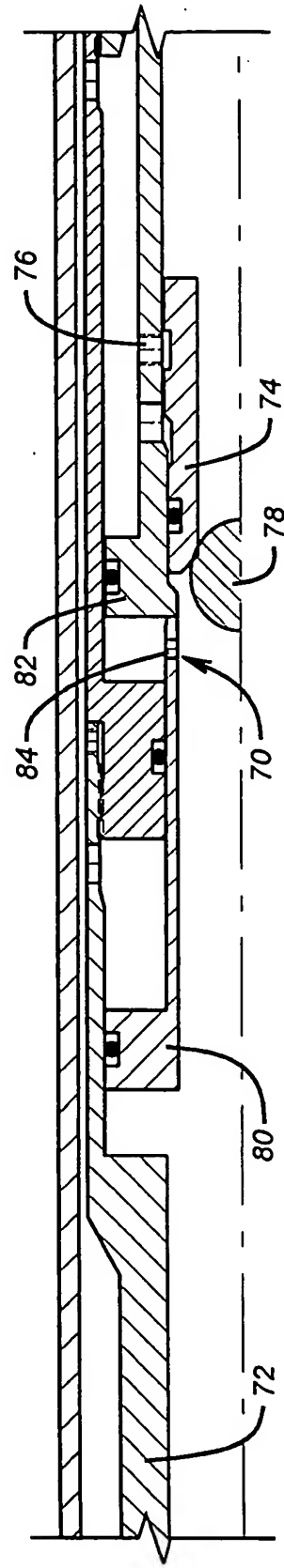


FIG. 8a

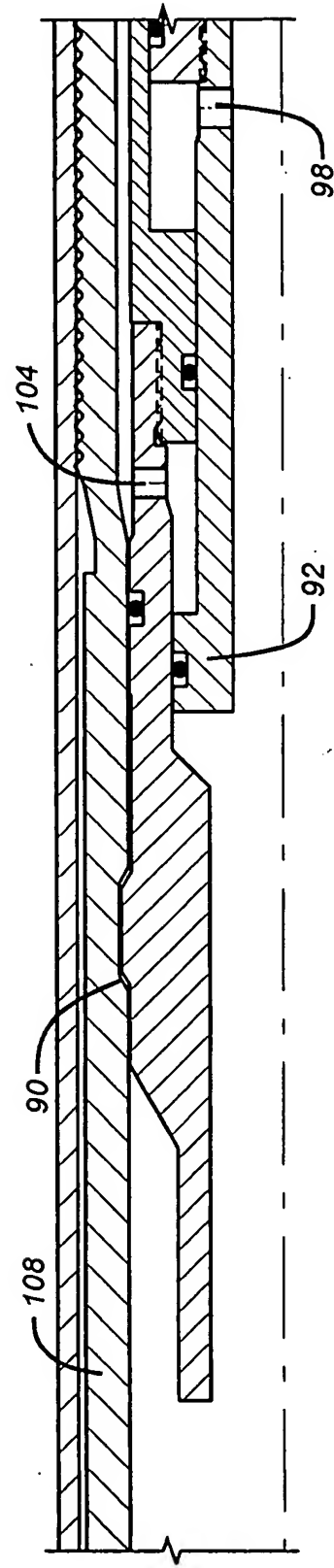


FIG. 9a

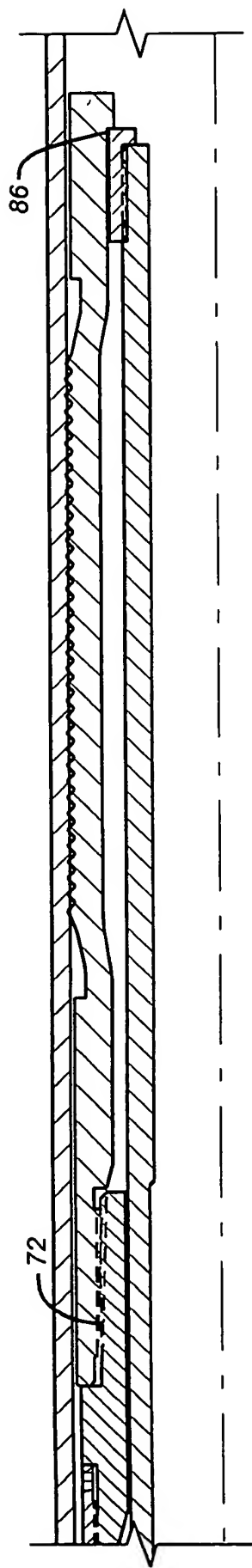


FIG. 8b

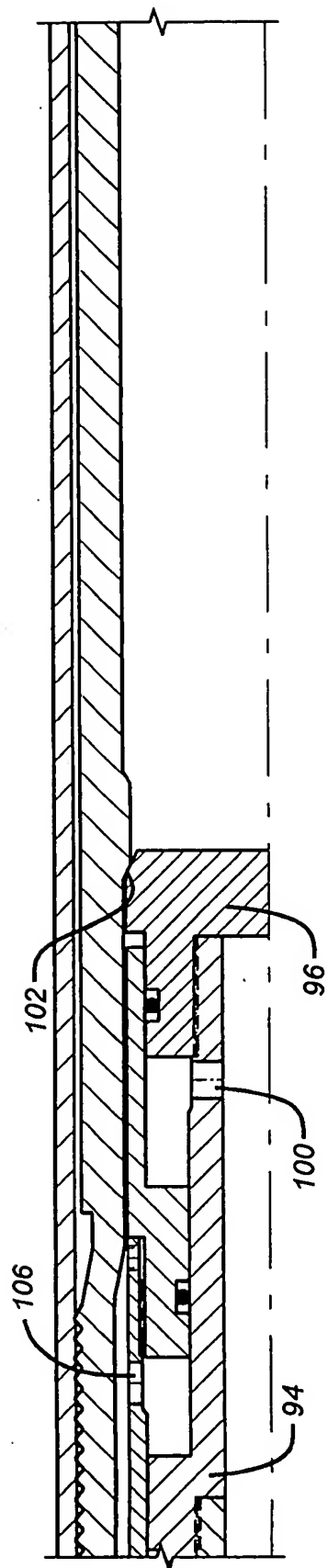


FIG. 9b

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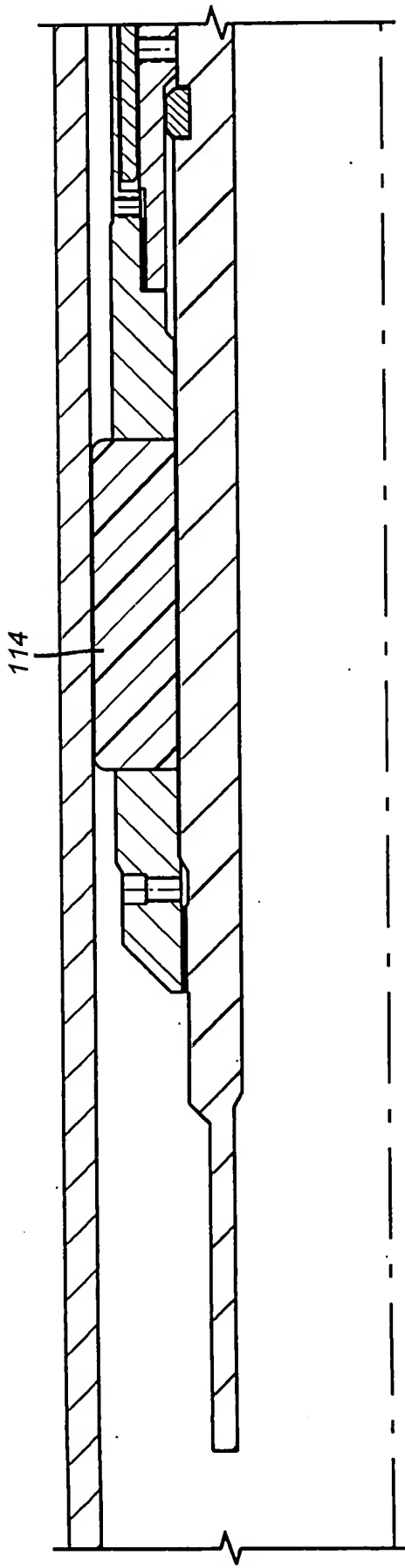


FIG. 10a

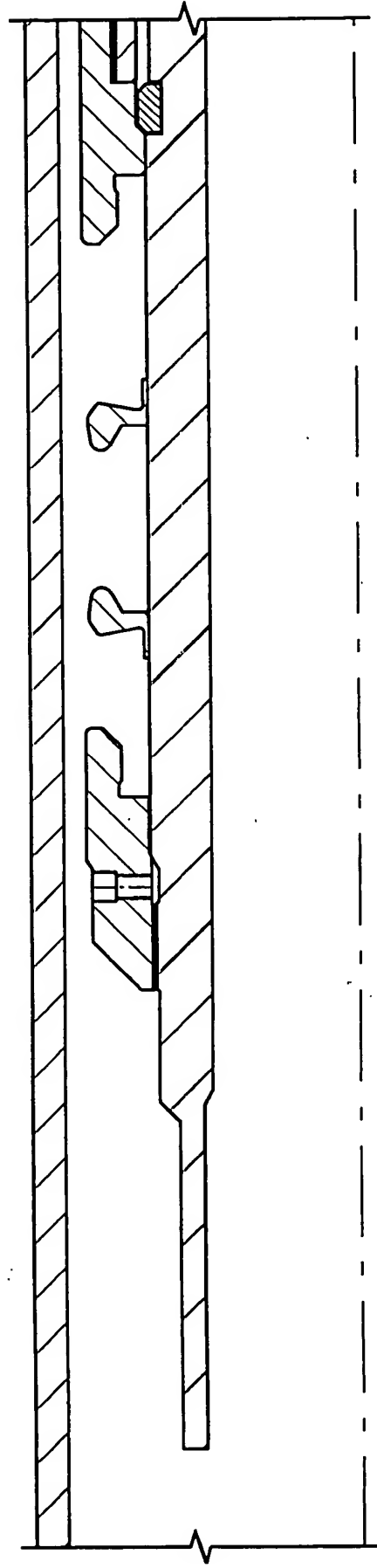


FIG. 11a

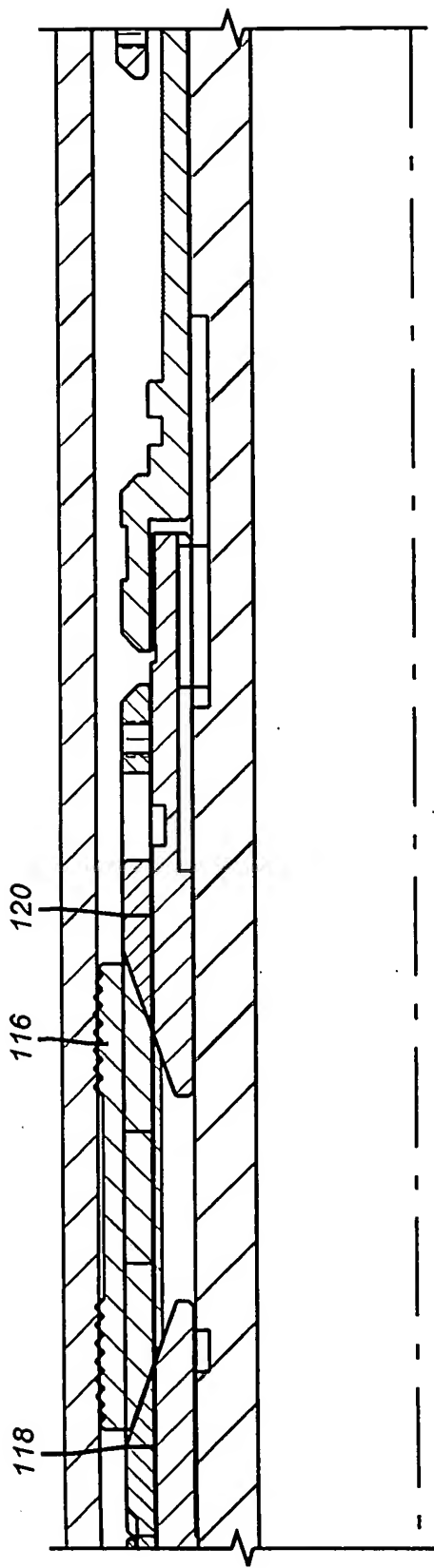


FIG. 10b

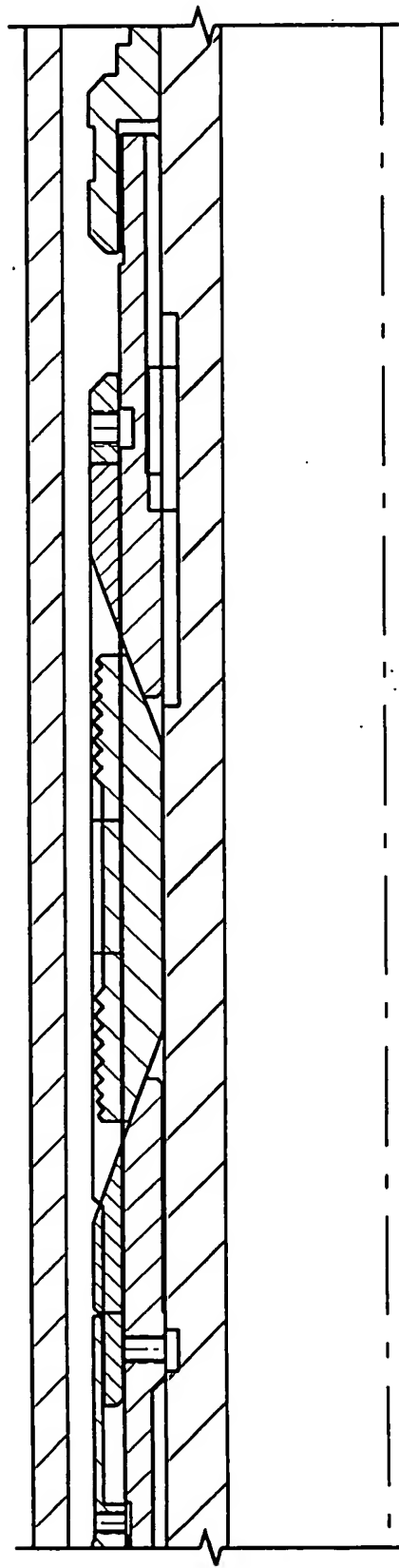


FIG. 11b

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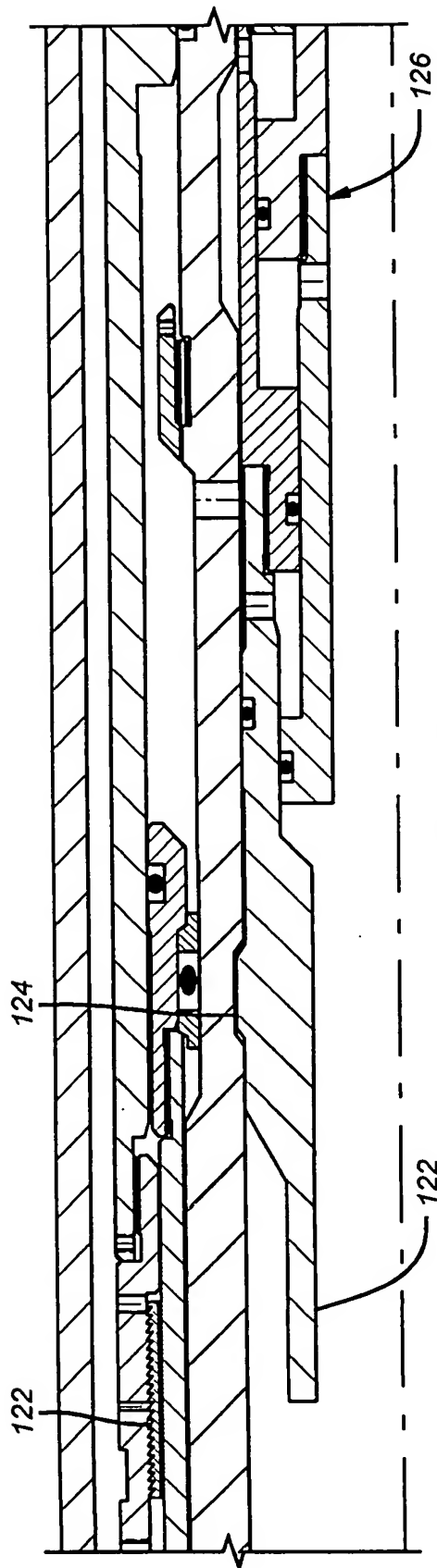


FIG. 10c

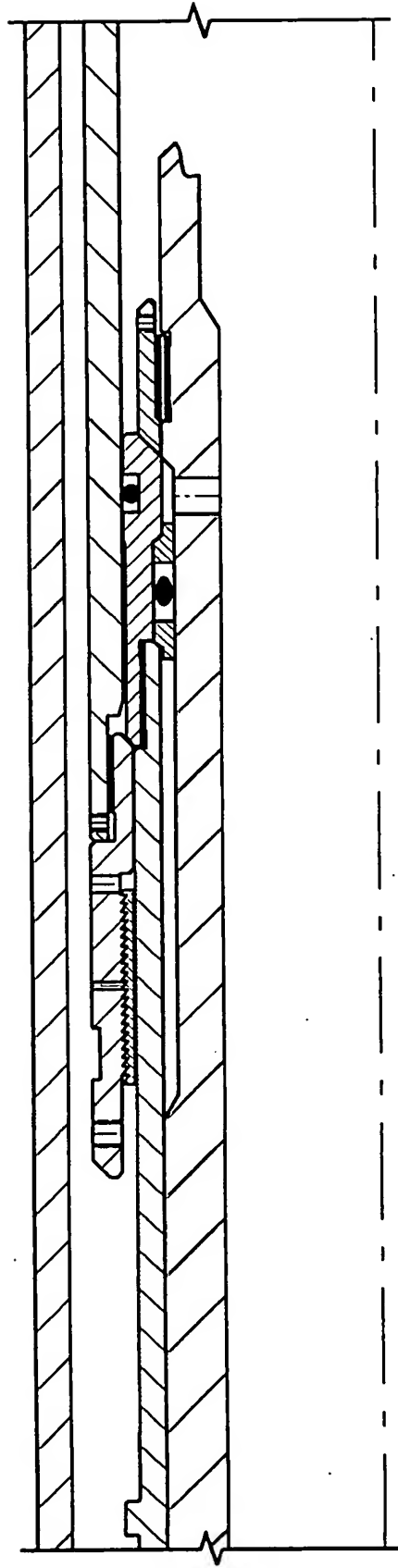


FIG. 11c

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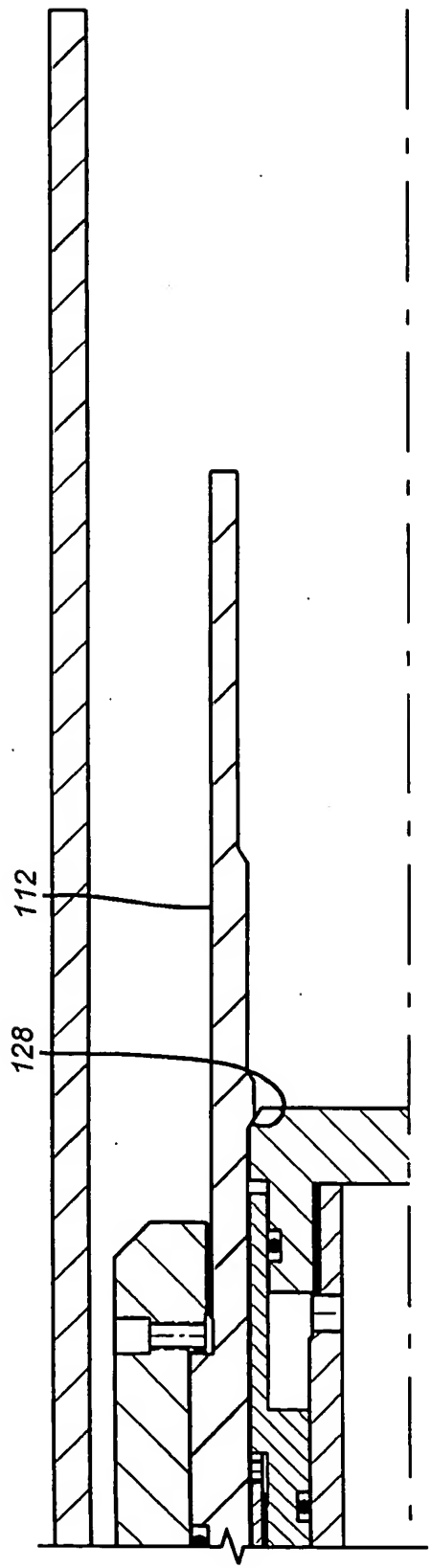


FIG. 10d

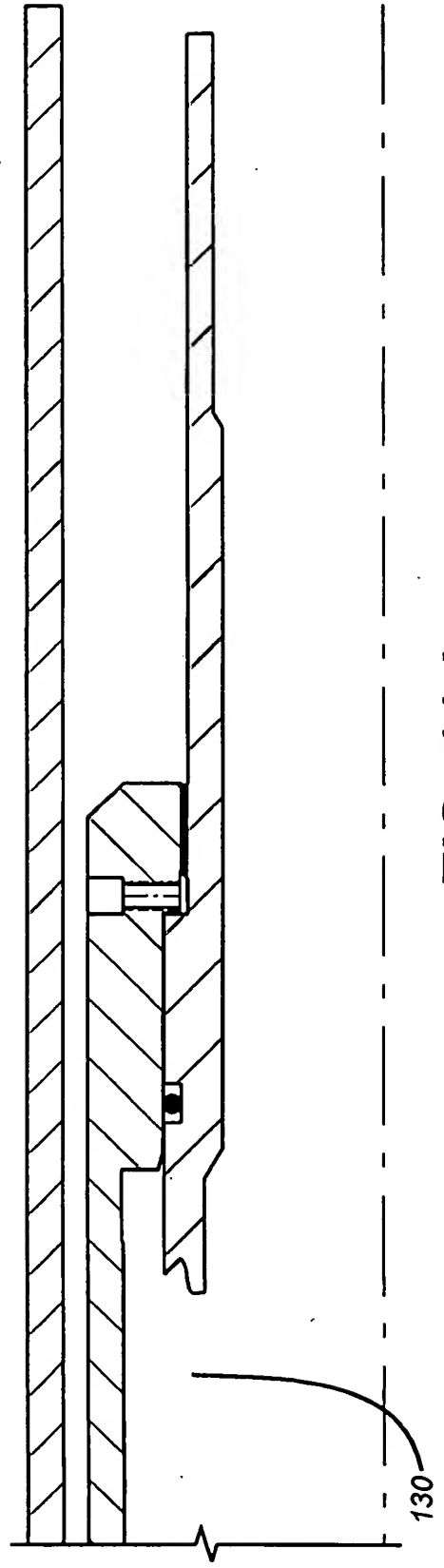


FIG. 11d

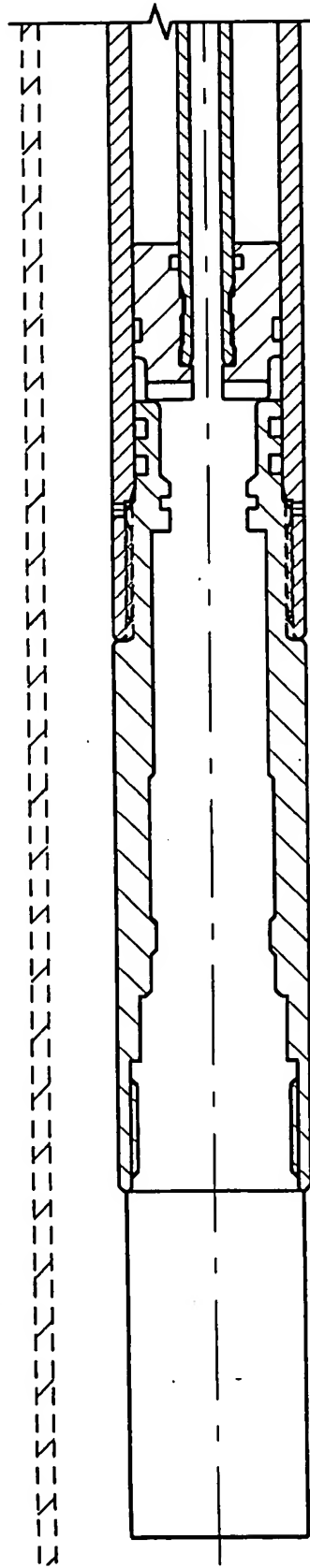


FIG. 12a

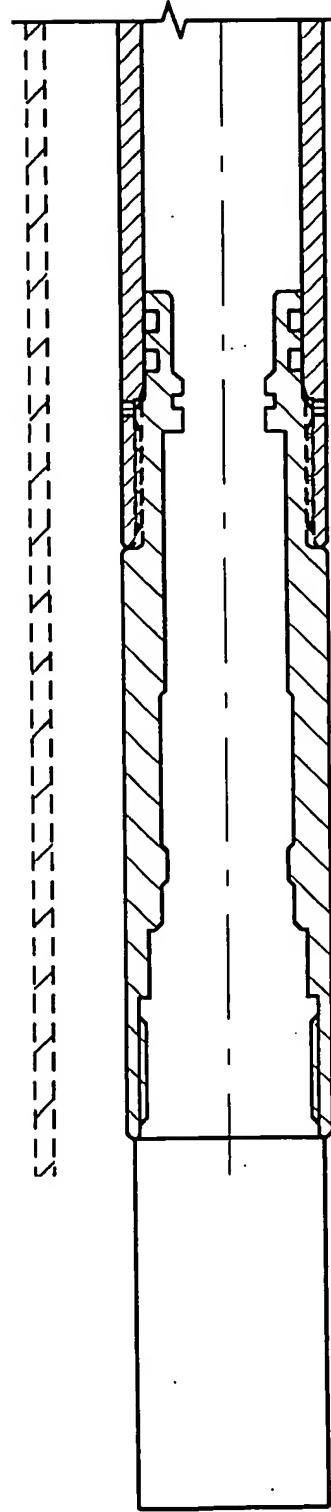


FIG. 13a

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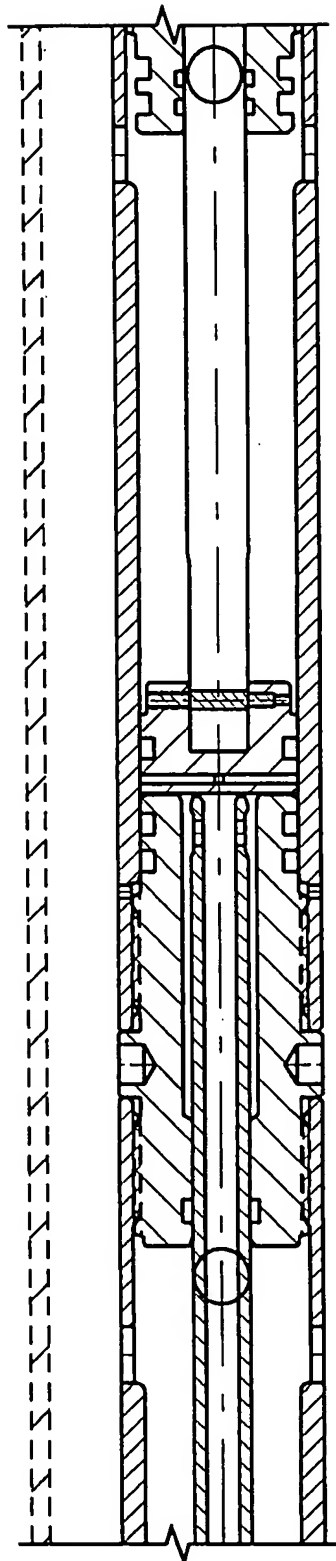


FIG. 12b

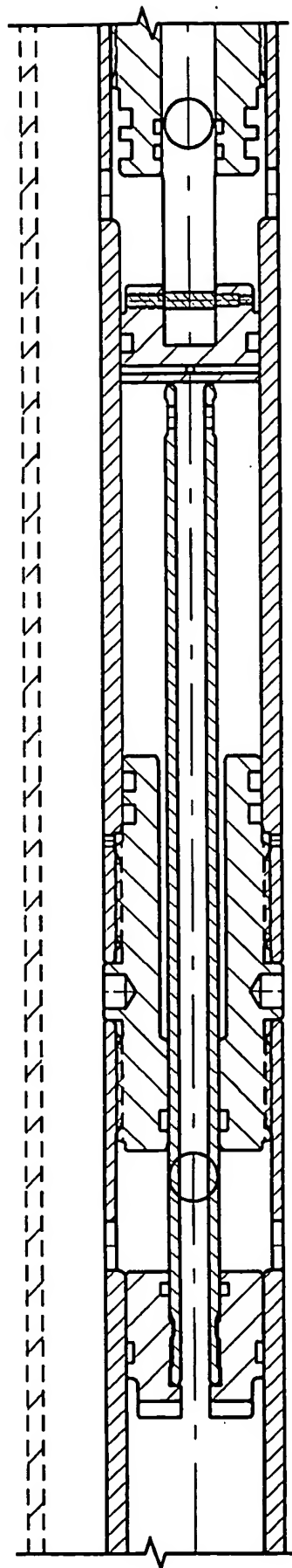


FIG. 13b

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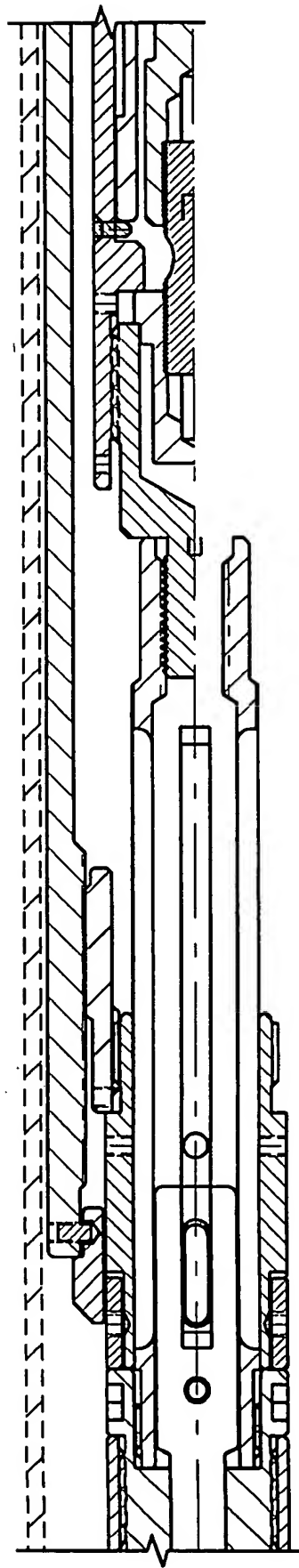


FIG. 12c

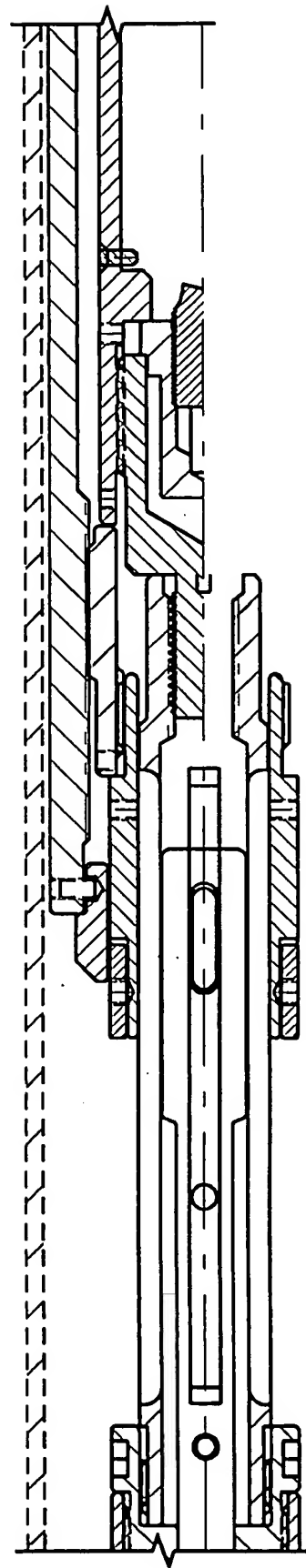


FIG. 13c

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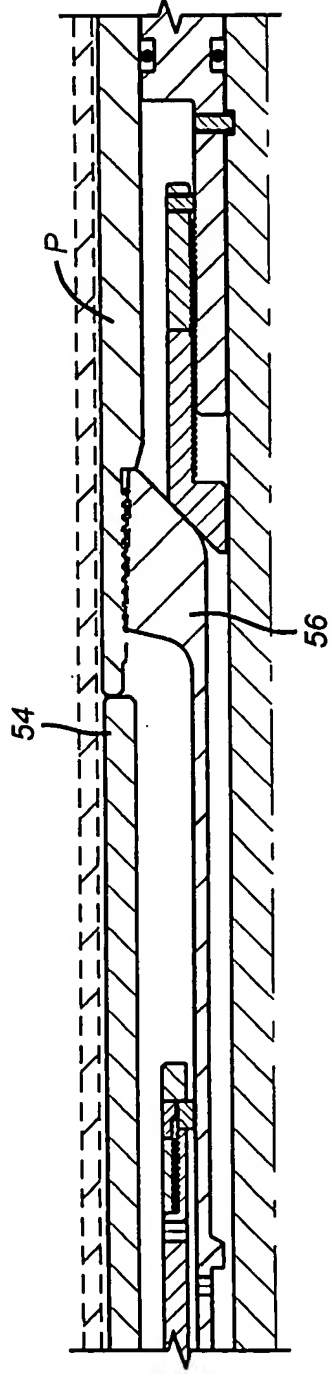


FIG. 12d

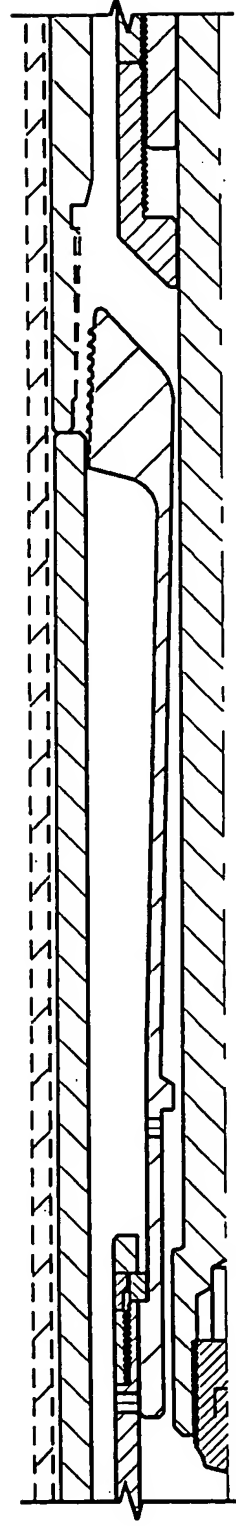


FIG. 13d

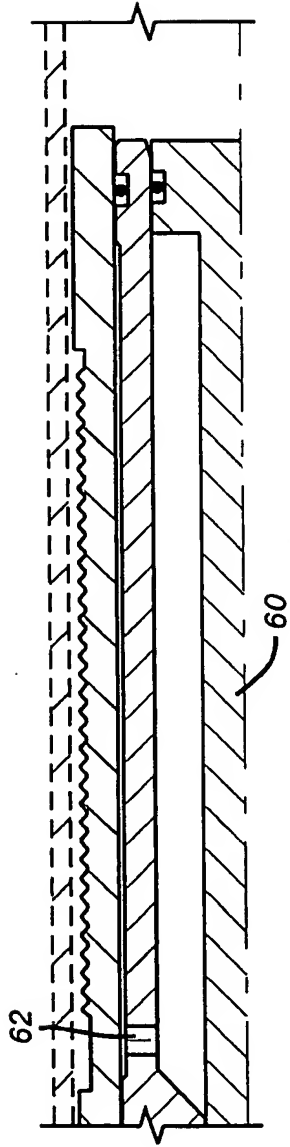


FIG. 12e

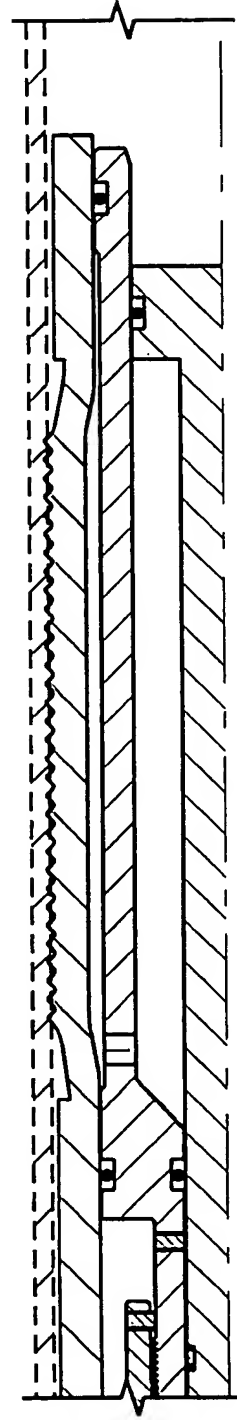


FIG. 13e

Figure 14.

Run-in Position

Set Position

Apply Pressure to Set packer-

Expandable Packer - Set position

Collet Fingers - Contact more of the Casing circumferentially

Radial load is applied to slip more evenly across more length

Figure 4 - Low Casing Stress

CPROX 1727
Conventional Packer - Run-In Position

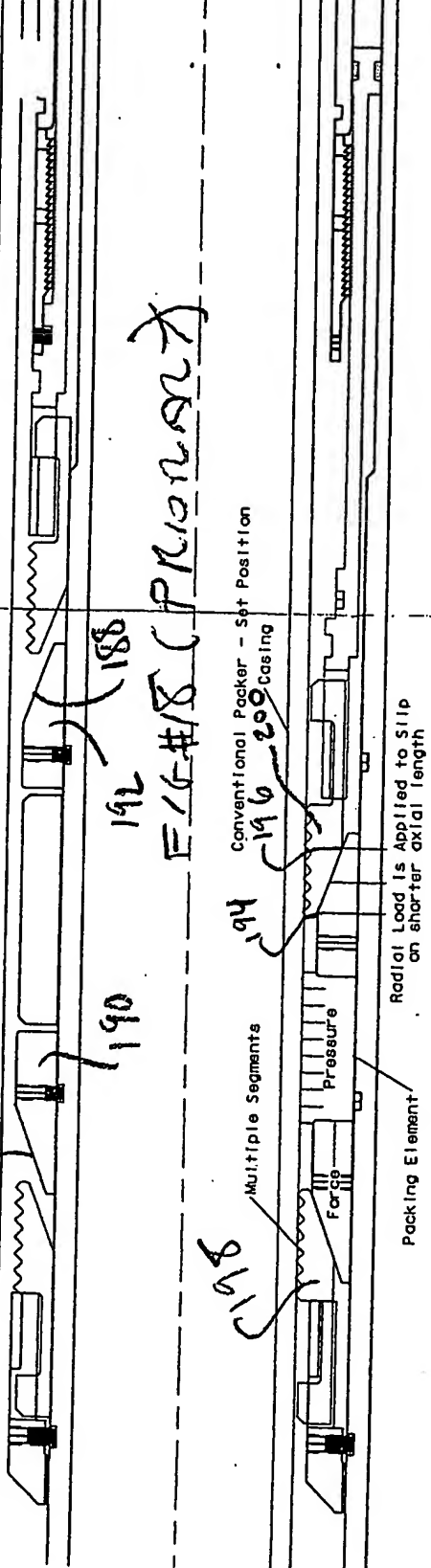


Figure 5 - Feed-thru Packer

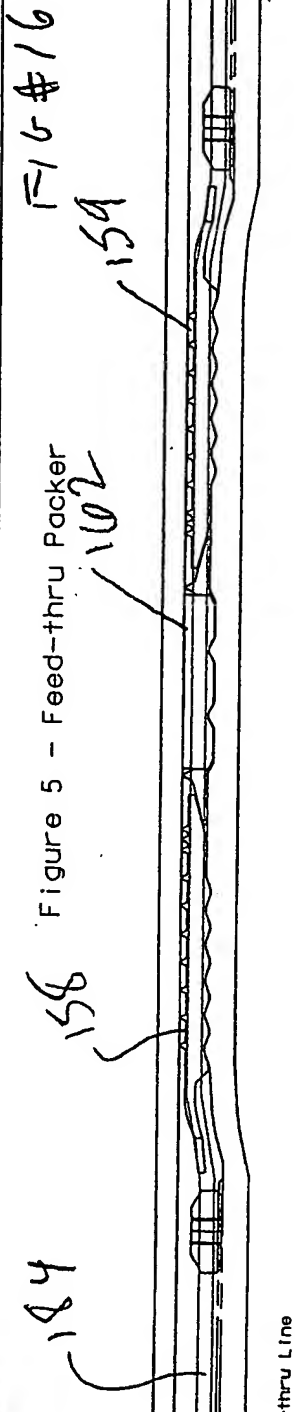


FIG. 20

FIG. 21

Figure 7

FIG. 22

FIG. 23

Drilling Plug

Plug Drilled out

Set Packer

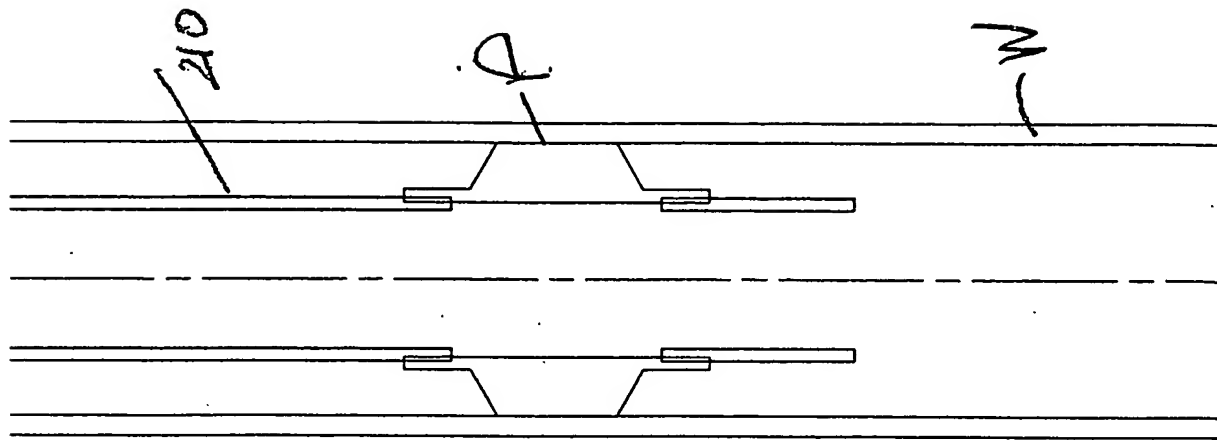
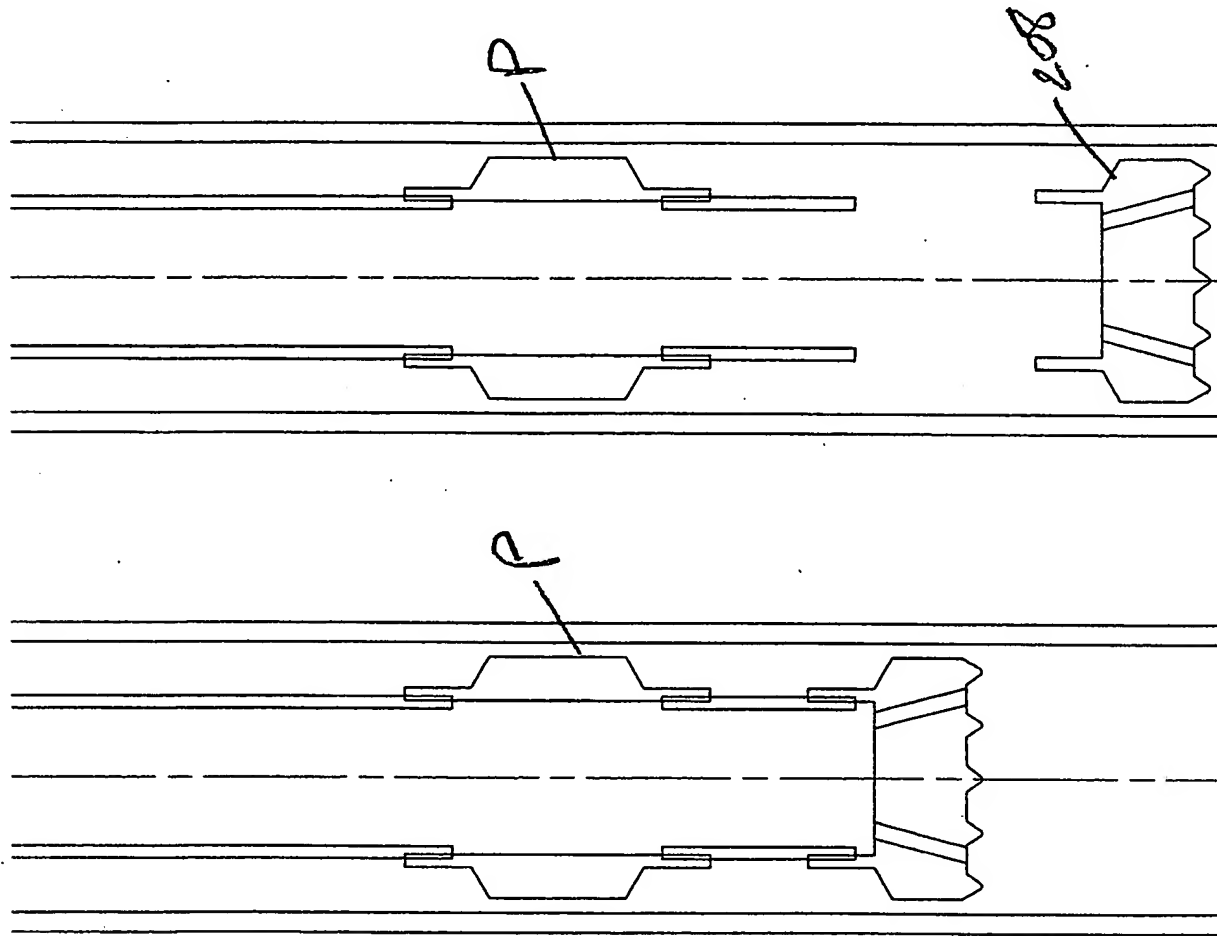
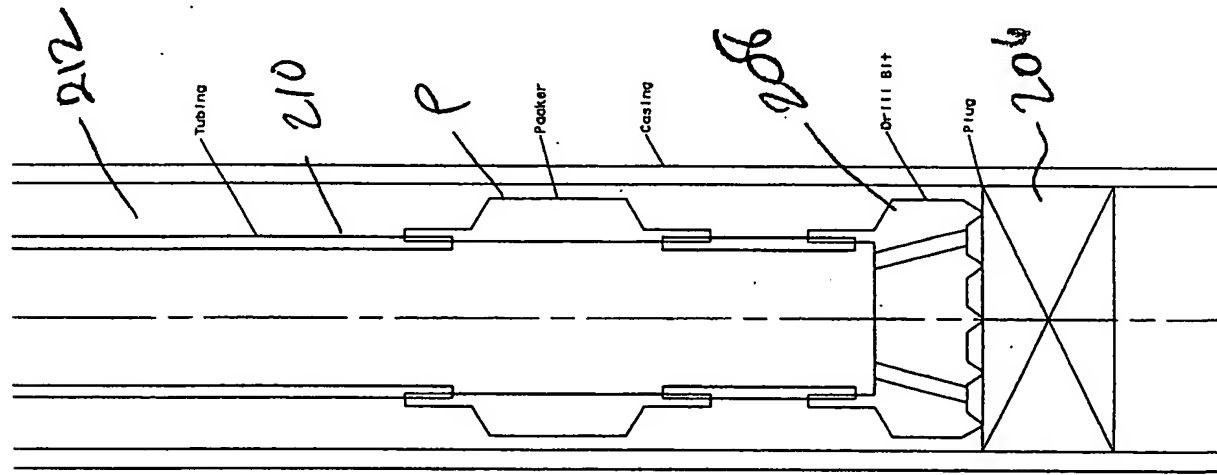


Figure 8
Liner Hanger & Liner Top
Isolation Packer

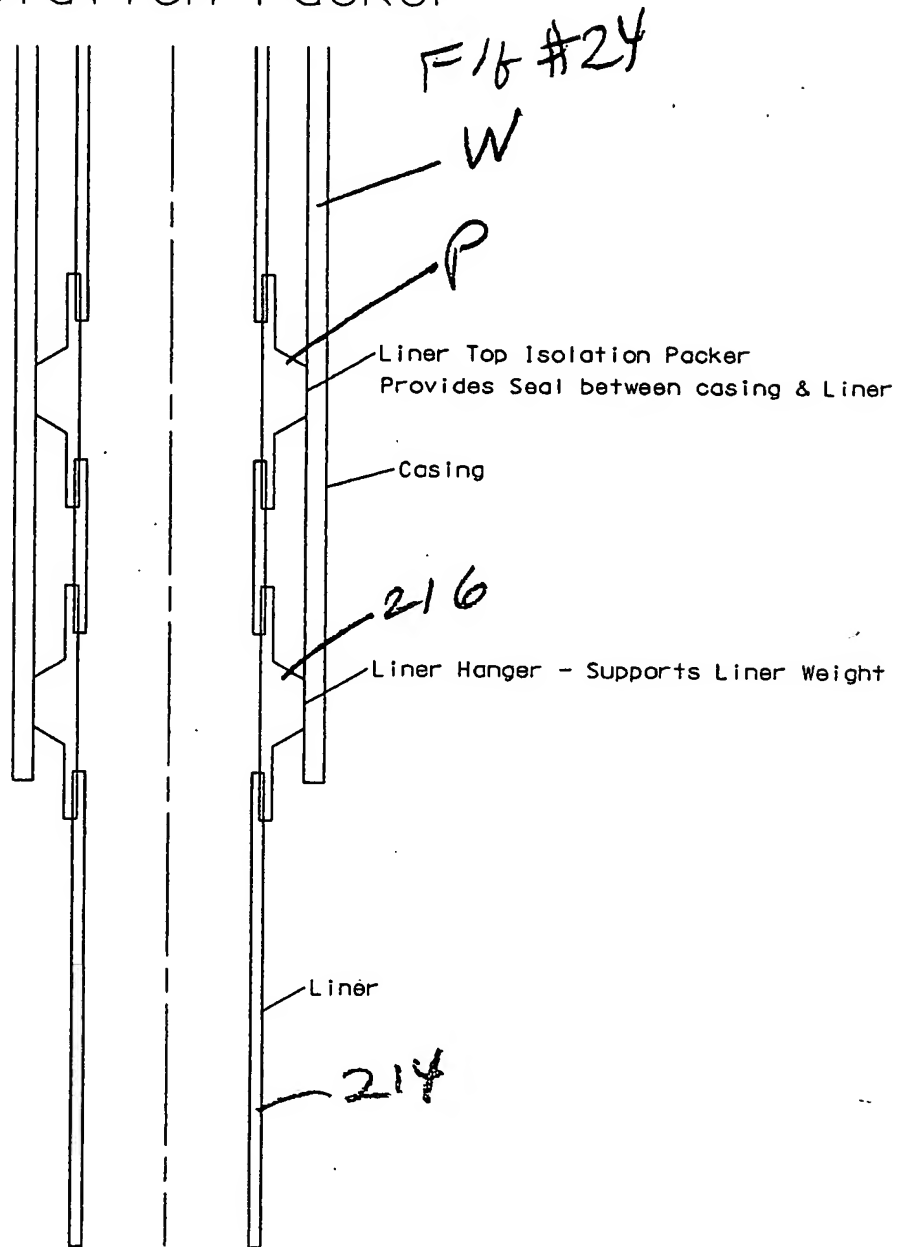
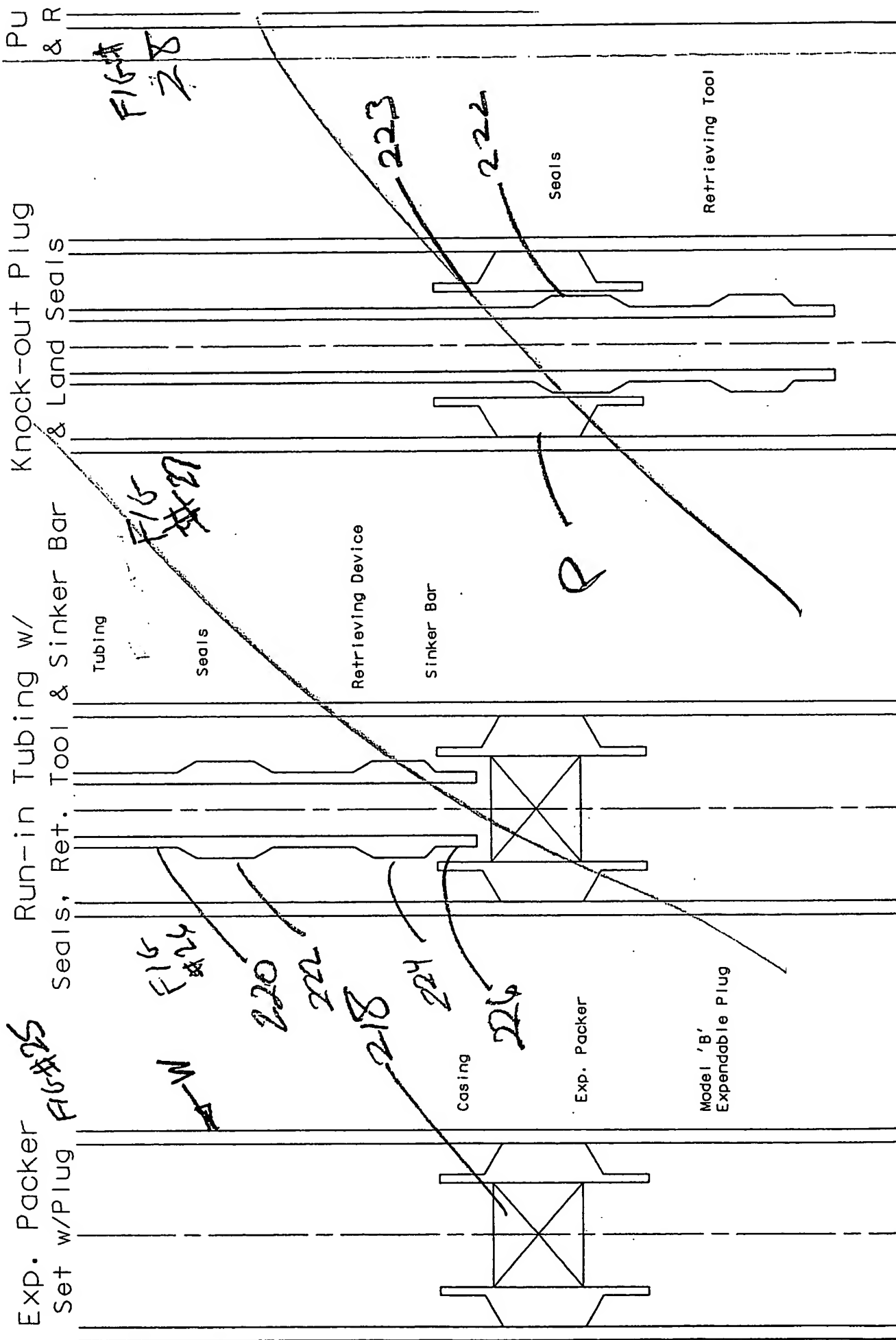


Figure 9



Run-in Tubing w/ Seals, Ret. Tool & Sinkers Bar	Knock-out Plug & Land Seals	Pull Tubing up & Retrieve Packer
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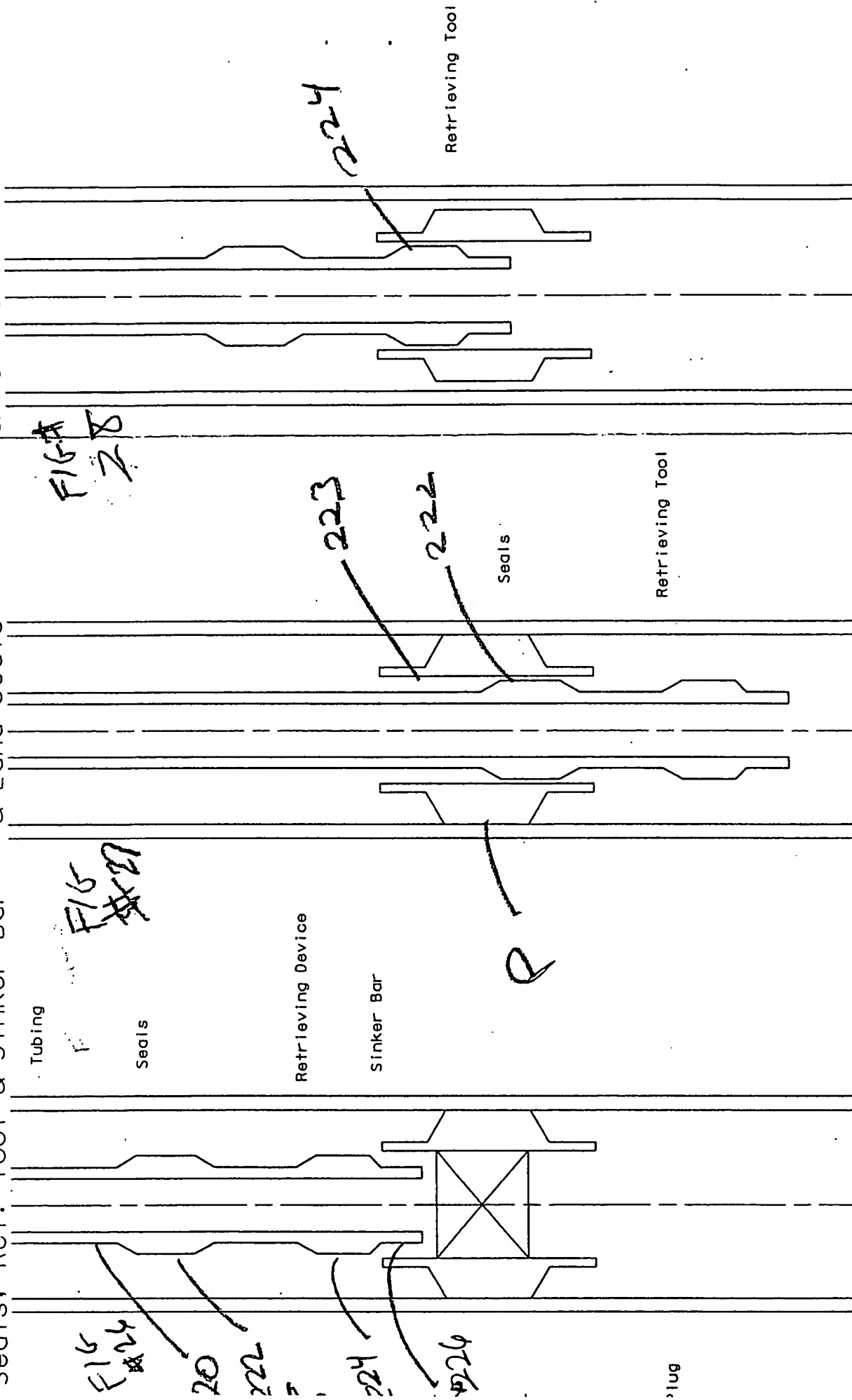
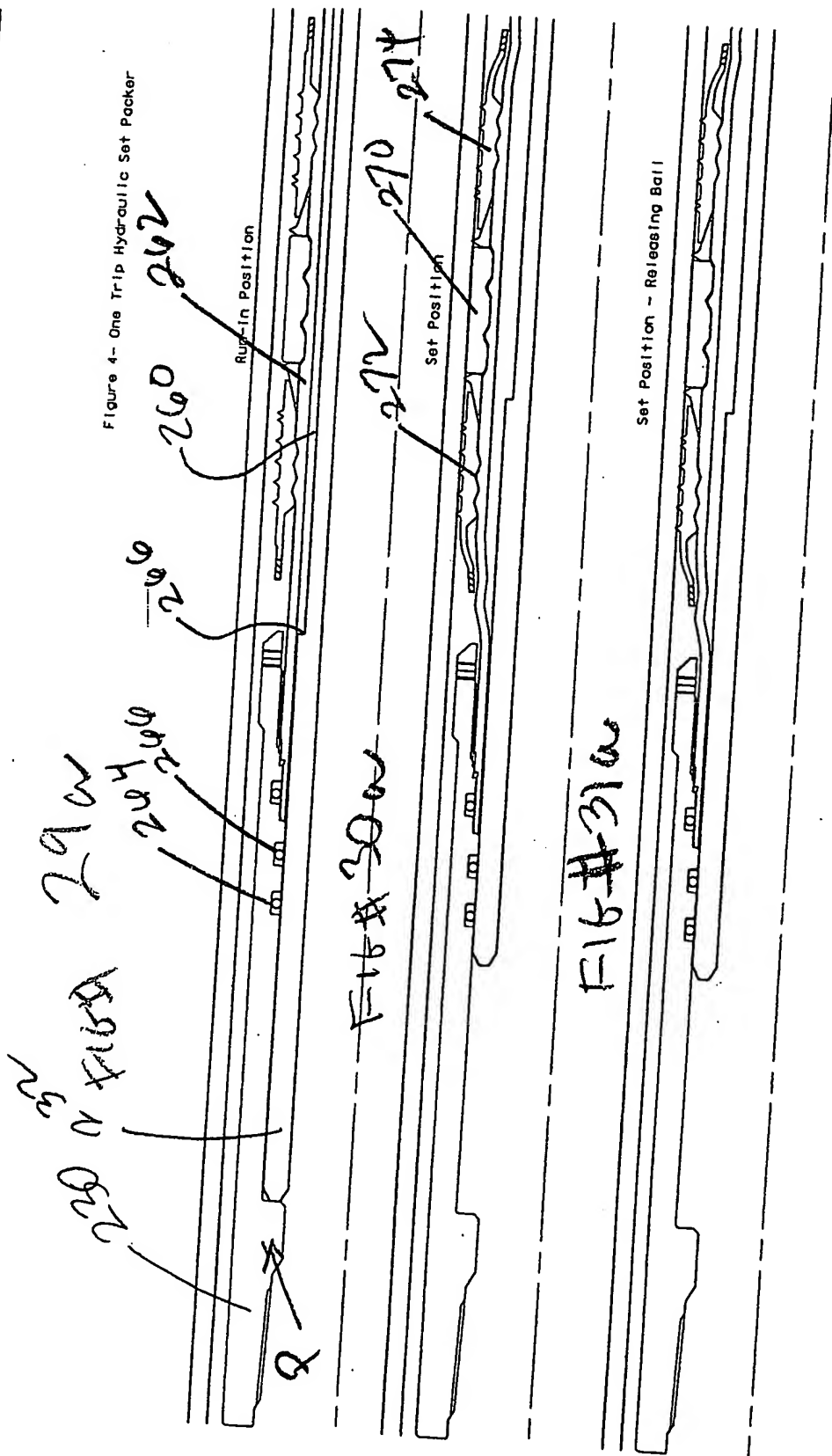


Figure 4- One Trip Hydraulic Set Packer



FISHING TOOL

Alternate Method of using Slick Line Plug

176-#32

Profile & Seal Surface f/Slick Line Plug

276

254

248

246

F16 # 296

236

238

Shear-out Ball Seat

F16 #306

234

228

256

258

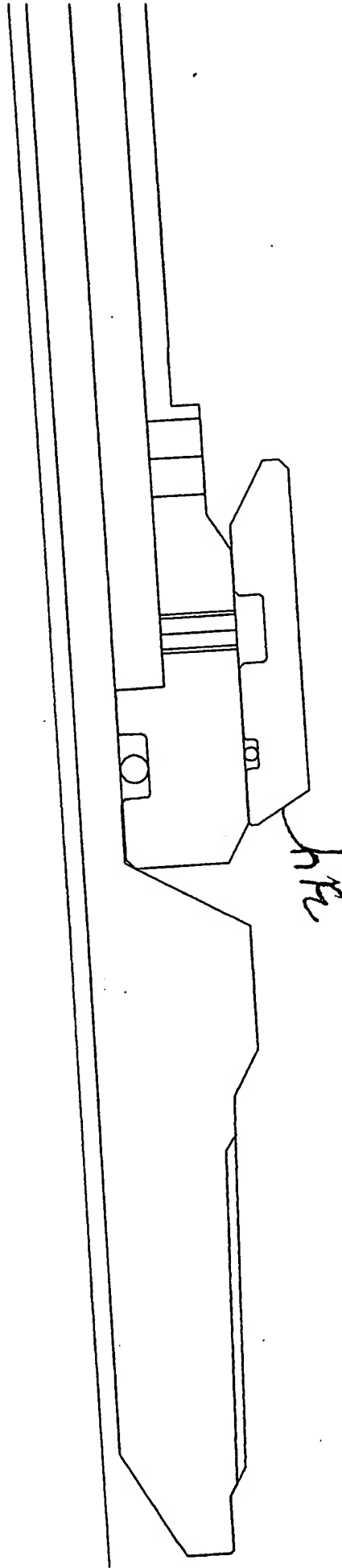
Shear-out Ball Seat

250

252

F16 #316





244

FILE 332

FIG. # 33b

2 318

320 322 318

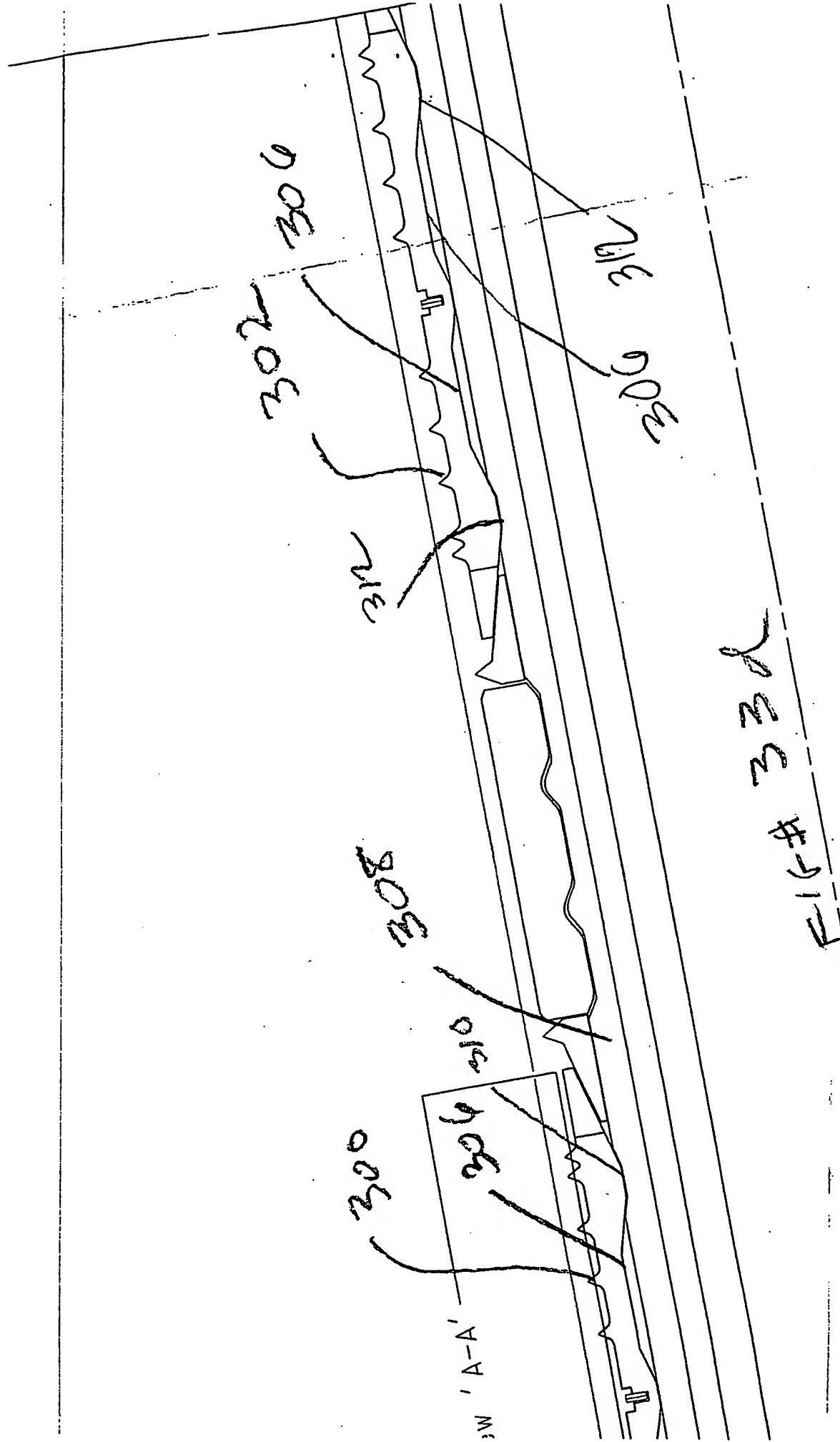
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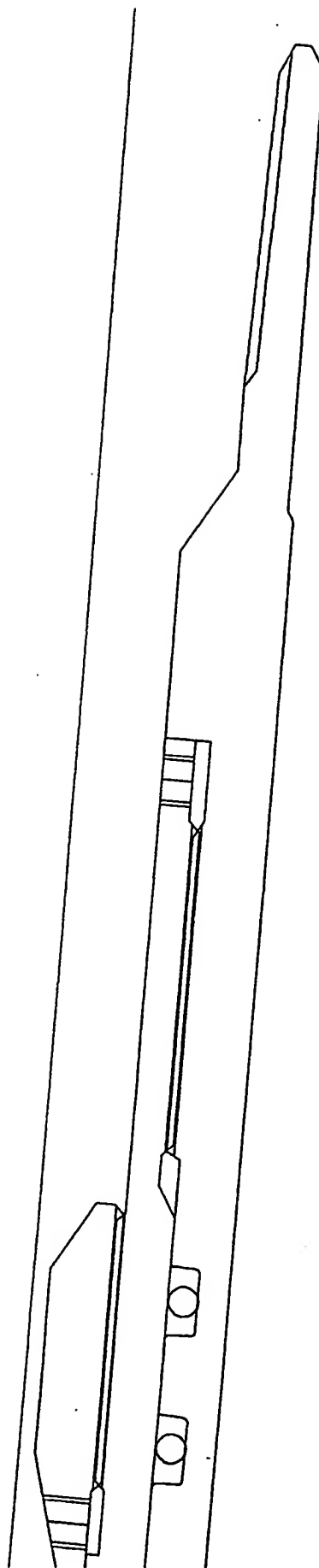
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3

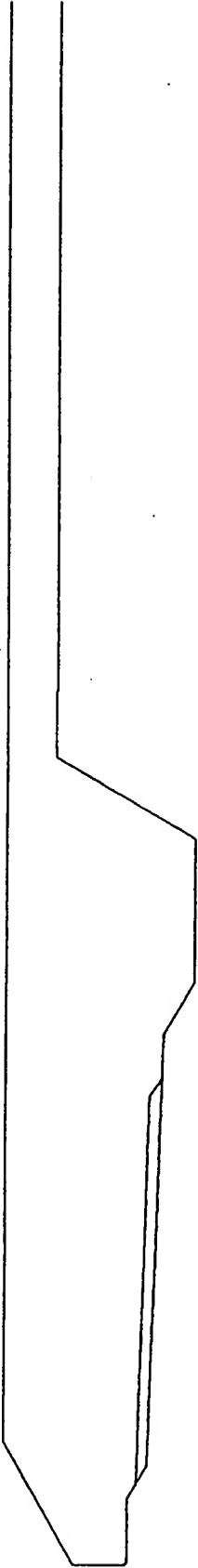
324 326

Fig #33C

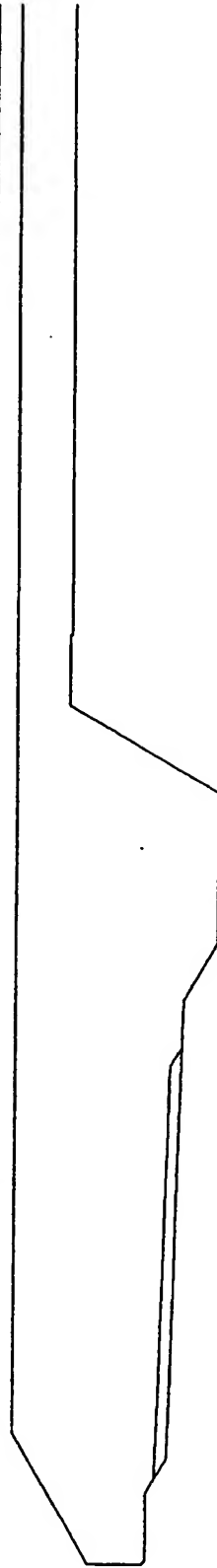




F16A33C



F16#34a



F16#35a

F16#346

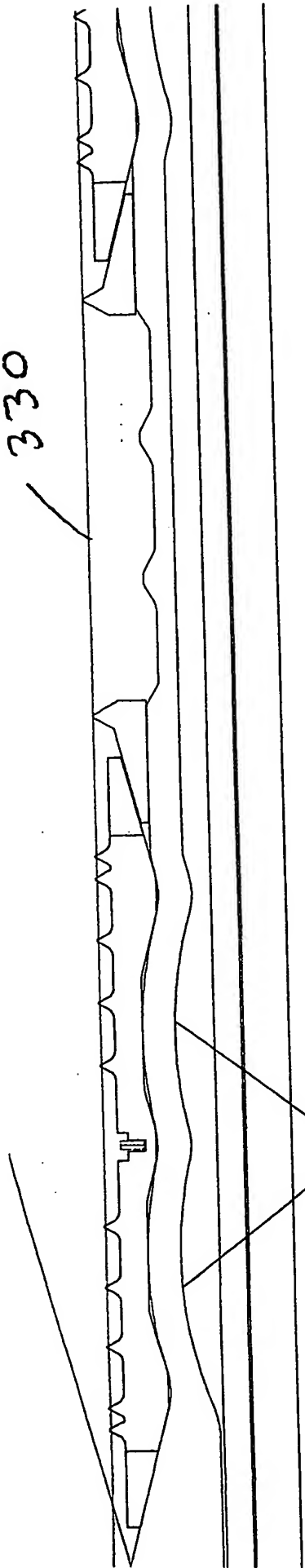
F16#356

FIG 34C

316

FIG 35C

330



Expansion Mandrel forms in void in Slip Mandrel

Fig 34d

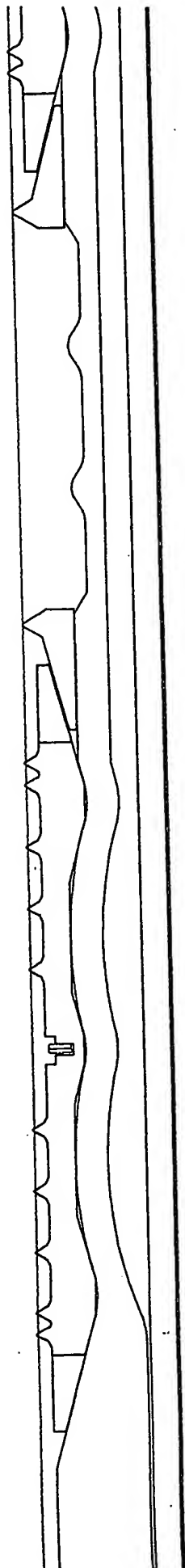


Fig 35d

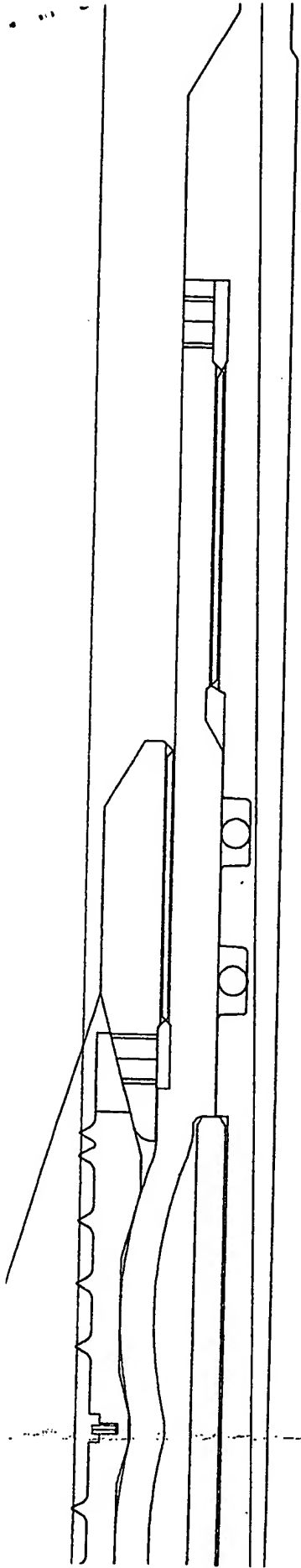


FIG 342

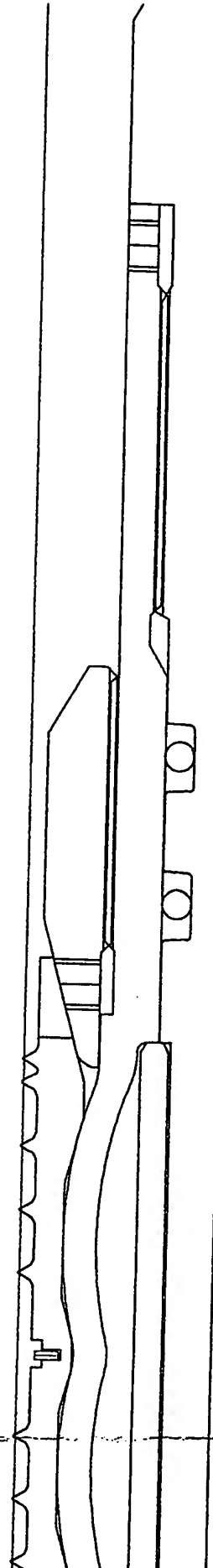


FIG 352

1 2 3 4

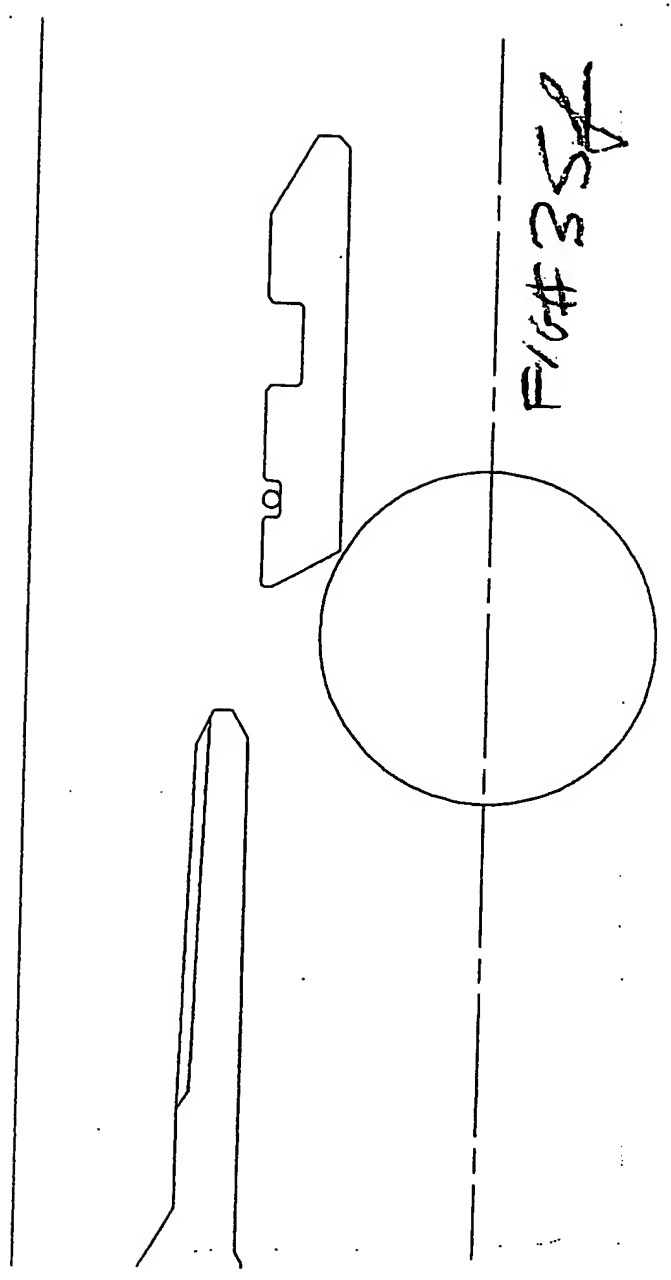
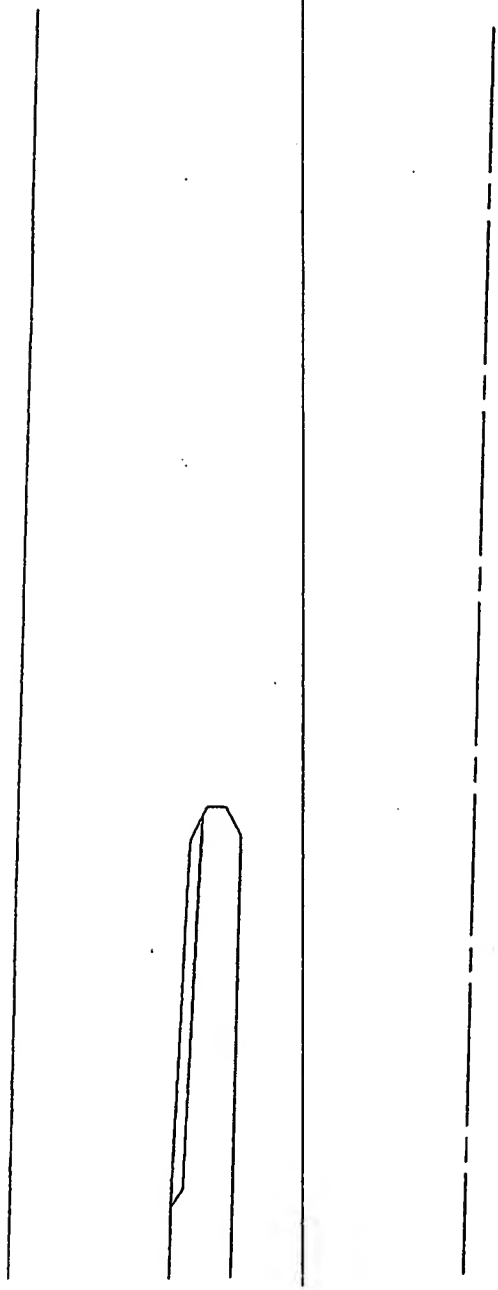


Fig # 358